



Precision Fertiliser & Seeding System

Groundhog Industries designed the PFS system to achieve the following goals:

Reduce Downtime - This is achieved by using a quick change knife point, a deep banding liquid / granular boot free from stainless steel tubing and a closer plate with replaceable wear shoe.

Reduce Replacement cost - Through innovative design and selling direct to end users our products are up to 30% cheaper than competitor products.

Provide More Effective Product Delivery - This is achieved by eliminating the use of stainless steel tubing for liquid delivery.

We provide Longer lasting Wear Resistant Products - By using the highest grade of tungsten carbide available as well as state of the art application processes. All of our products have been designed to offer maximum protection from wear.



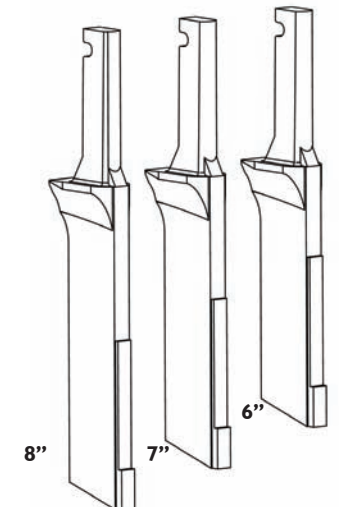
Knife GH007

Tapered head for easy discharge.

Highest grade of carbide available and applied using induction welding, with proven results for wear and shock loads.

Knife blade is tapered to increase wear life, 12mm at the front and 18mm at rear. Both point and holder are low profile allowing minimal soil throw, good trash handling.

Low cost and quick to change.



Look for items 30, 31, 32

Liquid / Granular Boot GH011



Robust, cast boot provides accurate placement of liquid and granular fertiliser.

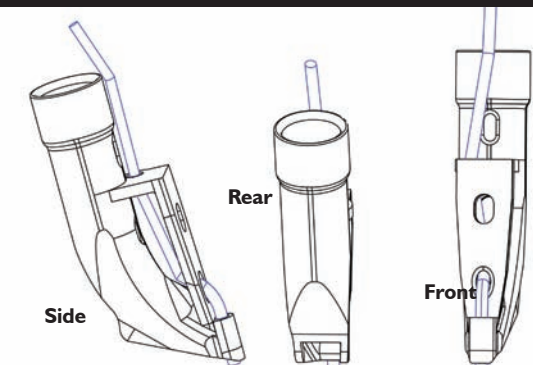
Liquid fertiliser delivery without the need for expensive stainless steel tubing or the need to weld a nut to the rear of the point.

Using plastic tubing helps to prevent bending or blockages.

When it's time to change points the liquid tube remains undisturbed, saving time and effort.

The boots design provides a protected pathway for the plastic fertiliser tube to ground level.

Look for item 27



Knife Holder GH006

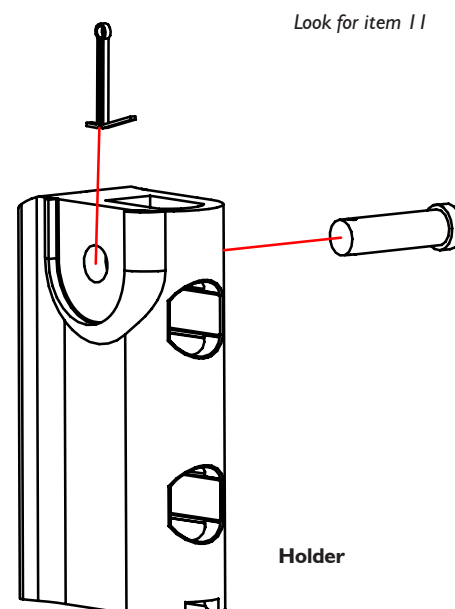
Change points by removing only a split pin, no more lost skin loosening bolts.

Manufactured from cast steel for superior strength.

Bolt heads are counter sunk in holder to cater for tapered knife head.

Holder takes the brunt of the load in combination with the load pad at the rear of the knife. Holder employs the same length bolts as standard points.

Buy once.



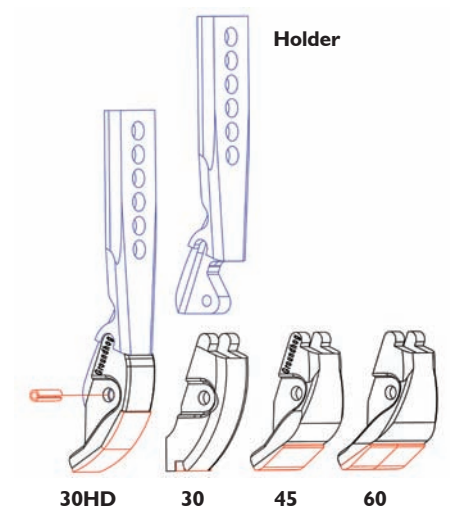
Look for item 11

Wear Shoe Holder GH012 Wear Shoes GH030HD, GH030, GH045, GH60

Made from two parts - 'Wear shoe holder' and 'Wear Shoe'.

The holder provides the same bolt hole pattern as a genuine closer plate.

The wear shoe is made from cast steel (same as point) and secured using high tensile roll pin, removable with a 8mm punch. Thick casting on wear shoe and large tungsten tiles on all sizes eliminates premature wear and reduces replacement costs.



Look for items 24, 23, 25, 26

Parts & Accessories



Bolt M12 x 90 ZP (Thread Lock)
ITEM No.1 | Part Number: M12X90

Flat Washer M12 ZP
ITEM No.2 | Part Number: M12WF

Nut M12 Conelock
ITEM No.6 | Part Number: M12CONE



Seal Cap Assembly
ITEM No.3 | Part Number: GHSEAL



Short Outer Bush, Sintered Nickel, Oil impregnated
ITEM No.4 | Part Number: GHSB



Long Inner Bush, Sintered Nickel, Oil impregnated
ITEM No.5 | Part Number: GHLB



Spring 5.6x 42x120
ITEM No.7 | Part Number: SPI20



Joiner Liquid
Note: Sizes on application – please contact Groundhog Industries.
ITEM No.8 | Part Number: GHFITTING



Clevis Pin
ITEM No.9 | Part Number: GH005

Split Pin
ITEM No.10 | Part Number: GHSPIN



Bolt 1/2" UNCx3 1/2"
ITEM No.12 | Part Number: 12X3.12NC8B

Nut 1/2" UNC Nyloc
ITEM No.13 | Part Number: 12NCNN



Press Wheel Dust Seal 37x7x24
ITEM No.14 | Part Number: GHPWSEAL



Press Wheel Bearing (Made Japan)
ITEM No.15 | Part Number: PWBJ

Press Wheel Bearing (Made China)
ITEM No.15 | Part Number: PWBC



Plastic Seed Boot
ITEM No.20 | Part Number: GH43

ITEM No.20 | Part Number: GH32



Bolt 1/2" UNC Nut & Washer
ITEM No.22 | Part Number: 12X1.14C8B

ITEM No.18 | Part Number: 12X1.14C8B

ITEM No.2 | Part Number: 12X1.14C8B



Rubber Sleeve
ITEM No.28 | Part Number: JOINER



Hose Clamp 19 - 44 Worm Drive SS
ITEM No.29 | Part Number: GH44

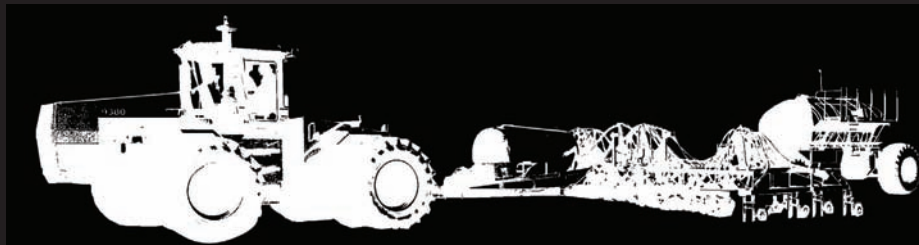
Hose Clamp 27 - 51 Worm Drive SS
ITEM No.29 | Part Number: GH51



Open End Gear Spanner, 19mm Ratcheting.
Part Number: GHK3093

Visit our website for more details
and video of the system in action.
www.groundhogindustries.com.au





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